

Title (en)
Bicycle wheel rim

Title (de)
Felge für ein Fahrradrad

Title (fr)
Jante de roue de véhicule

Publication
EP 1375195 B1 20090812 (EN)

Application
EP 03014172 A 20030624

Priority
US 17889602 A 20020625

Abstract (en)
[origin: EP1375195A2] A spoked rim assembly includes an annular rim 16 and a plurality of spokes 14. Each of the spokes 14 is provided with a seal structure 13 so that a tubeless tire can be used with the rim 16. The rim 16 preferably has an annular recess with a plurality of spoke attachment openings 36. Each of the spokes has an outer end portion coupled to one of the spoke attachment openings. Each of the outer end portions 50 of the spokes 14 includes a support member 62 and a resilient seal member 64 that form the seal structure 13 for the spoke 14. The support members 62 and the seal members 64 are arranged and configured such that the support members 62 selectively contact the spoke attachment portion 34 to prevent full compression of the seal members 64 when a radial force is applied to the support members 62. The support members 62 can be separate or integrally formed with the spokes 14. <IMAGE>

IPC 8 full level
B60B 1/04 (2006.01); **B60B 21/02** (2006.01); **B60B 21/06** (2006.01); **B60B 21/12** (2006.01)

CPC (source: EP US)
B60B 1/0215 (2013.01 - EP US); **B60B 1/041** (2013.01 - EP US); **B60B 1/042** (2013.01 - EP US); **B60B 21/025** (2013.01 - EP US); **B60B 21/062** (2013.01 - EP US); **B60B 27/0005** (2013.01 - EP US); **B60B 27/026** (2013.01 - EP US)

Cited by
EP2565050A1; FR2985947A1; FR2900869A1; FR3005437A1; EP3640044A1; CN111055621A; EP3828006A1; US8162407B2; WO2007135259A1; EP3238953B1; TWI734215B

Designated contracting state (EPC)
DE FR IT

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DOCDB simple family (application)
EP 03014172 A 20030624; CN 03149415 A 20030620; DE 60328742 T 20030624; JP 2003174026 A 20030618; TW 92115538 A 20030609; US 17889602 A 20020625